

BEST AVAILABLE COPY

WO 2005/047317

PCT/FI2004/000679

1/18

Fig. 1

A

Signal sequence

MVHATSPLLL LLLLALVA PGLSARKRTQ

β 5 β 6
PTFGFTVNWK FSESTTVFTG QCFIDRNGKE

β 7 β 8
VLKTMWLLRS SVNDIGDDWK ATRVGNIIFT

β 1
RLRTQKEGGSGGSARKCSLT GKWTNDLGSN

β 2 β 3
MTIGAVNSRG EFTGTYITAV TATSNEIKES

β 4 β 6
PLHGTQNTIN KSGGSTTVFT GQCFIDRNGK

β 7 β 8
EVLKTMWLLR SSVNDIGDDW KATRVGNIIF

β 1
TRLRTQKEGG SGGSARKCSL TGKWTNDLGS

β 2 β 3
NMTIGAVNSR GEFTGTYITA VTATSNEIKES

β 4 β 5
SPLHGTQNTI NKRTQPTFGF TVNWKFSE

B

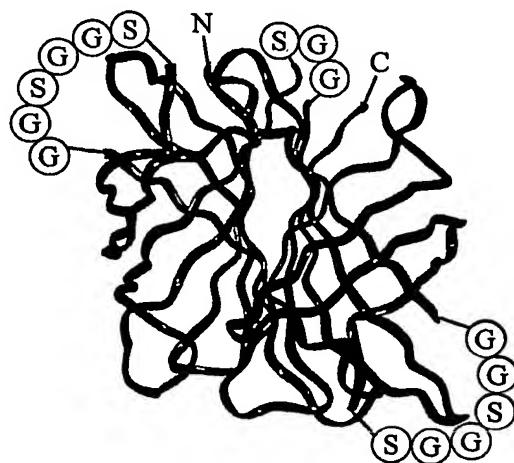


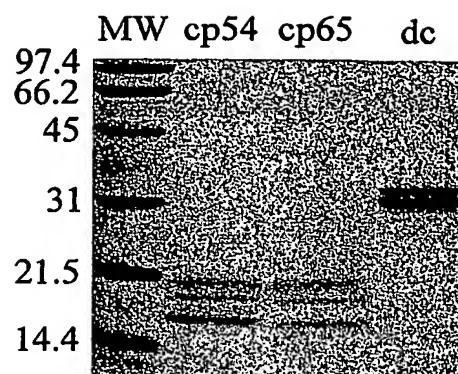
Fig. 2

Fig. 3

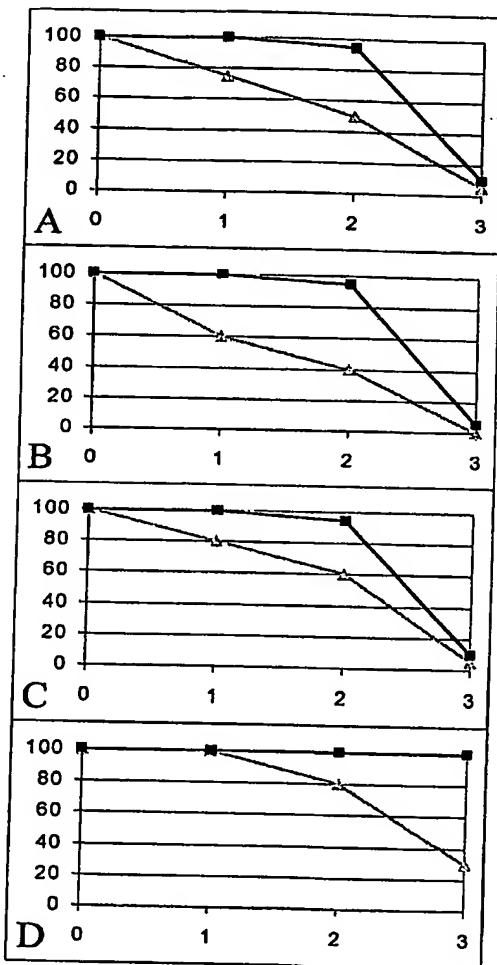


Fig. 4

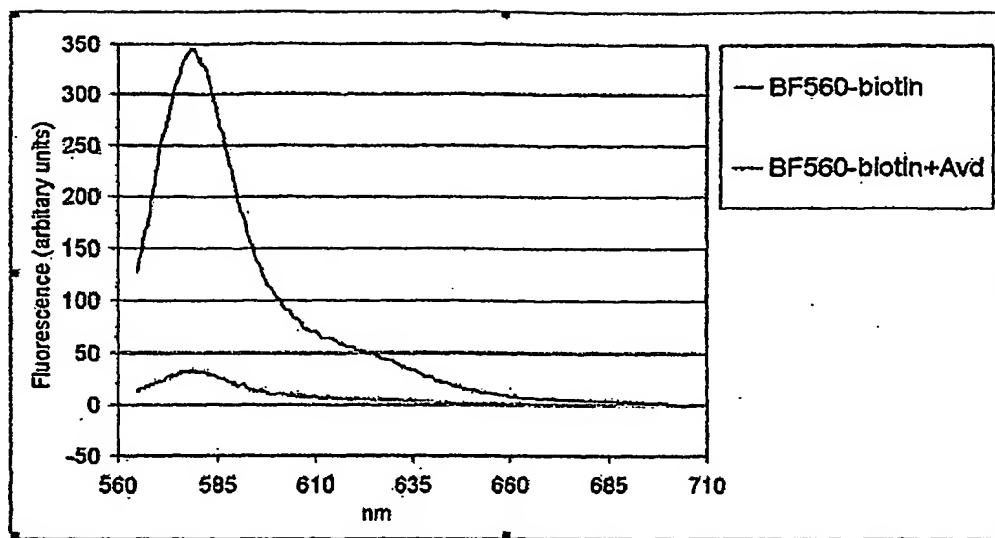


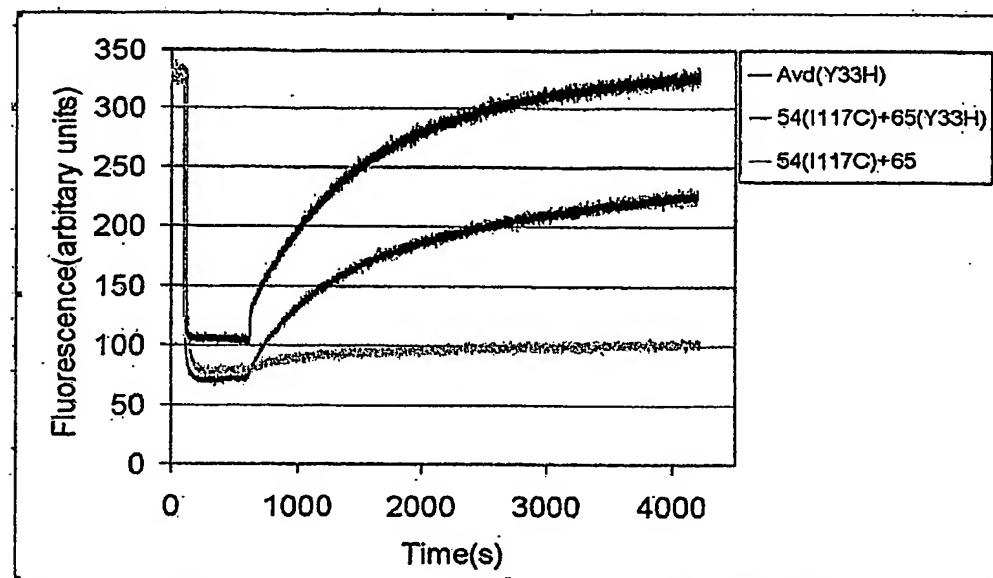
Fig. 5

Fig. 6

ATGGTGCACGCAACCTCCCCGCTGCTGCTGCTGCTGCT
GCTCAGCCTGGCTCTGGCTCCGGCTCTGCCA
GGAAGAGGACCCAGCCCACCTTGGCTCACCGTCAAT
TGGAAAGTTTCAGAGTCCACCACTGTCTCACGGCCA
GTGCTTCATAGACAGGAATGGGAAGGAGGTCTGAAG
ACCATGTGGCTGCTGCGGTCAAGTGTAAATGACATTGG
TGATGACTGGAAAGCTACCAGGGTCGGCATCACACATC
TTCACTCGCCTGCGCACACAGAAGGAGGGAGGCTCCG
GAGGCTCCGCCAGAAAGTGCCTGACTGGAAATG
GACCAACGATCTGGGCTCCAACATGACCATCGGGCT
GTGAACAGCAGAGGTGAATTCACAGGCACCTACATCA
CAGCCGTAAACAGCCACATCAAATGAGATCAAAGAGTC
ACCACTGCATGGGACACAAAACACCATCAACAAGTCC
GGCGGATCCACCACTGTCTCACGGGCCAGTGCTTCAT
AGACAGGAATGGGAAGGAGGTCTGAAGACCATGTGG
CTGCTGCGGTCAAGTGTAAATGACATTGGTATGACTG
GAAAGCTACCAGGGTCGGCATCAACATCTCACTCGCC
TGCACACAGAAGGAGGGAGGCTCCGGAGGCTCCGC
CAGAAAGTGCTCGCTGACTGGAAATGGACCAACGAT
CTGGGCTCCAACATGACCATCGGGCTGTGAACAGCA
GAGGTGAATTCACAGGCACCTACATCACAGCCGTAAAC
AGCCACATCAAATGAGATCAAAGAGTCACCACTGCAT
GGGACACAAAACACCATCAACAAGAGGACCCAGCCCA
CCTTGGCTTCACCGTCAATTGGAAAGTTTCAGAGGGA
GGTCCGGATCGGGATCCGGCTCTGGCAGCGGCAGGA
CCCAGCCCACCTTGGCTCACCGTCAATTGGAAAGTT
TCAGAGTCCACCACTGTCTCACGGGCCAGTGCTTCAT
AGACAGGAATGGGAAGGAGGTCTGAAGACCATGTGG
CTGCTGCGGTCAAGTGTAAATGACATTGGTATGACTG
GAAAGCTACCAGGGTCGGCATCAACATCTCACTCGCC
TGCACACAGAAGGAGGGAGGCTCCGGAGGCTCCGC
CAGAAAGTGCTCGCTGACTGGAAATGGACCAACGAT
CTGGGCTCCAACATGACCATCGGGCTGTGAACAGCA
GAGGTGAATTCACAGGCACCTACATCACAGCCGTAAAC
AGCCACATCAAATGAGATCAAAGAGTCACCACTGCAT
GGGACACAAAACACCATCAACAAGTCCGGCGGATCCA
CCACTGTCTCACGGGCCAGTGCTCATAGACAGGAAT
GGGAAGGAGGTCTGAAGACCATGTGGCTGCTCGGT
CAAGTGTAAATGACATTGGTATGACTGGAAAGCTAC
CAGGGTCGGCATCAACATCTCACTCGCCTGCGCACAC
AGAAGGAGGGAGGCTCCGGAGGCTCCGCCAGAAAGTG
CTCGCTGACTGGAAATGGACCAACGATCTGGGCTCC
AACATGACCATCGGGCTGTGAACAGCAAGGTGAAT
TCACAGGCACCTACATCACAGCCGTAAACAGCCACATC
AAATGAGATCAAAGAGTCACCACTGCATGGGACACAA
AACACCATCAACAAGAGGACCCAGCCCACCTTGGCT
TCACCGTCAATTGGAAAGTTTCAGAGTGA

Fig. 7

ATGGTGCACGCAACCTCCCCGCTGCTGCTGCTGCTGCTCA
GCCCTGGCTCTGGTGGCTCCCGGCCTCTGCCAGGAAGAGGAC
CCAGCCCACCTTGGCTTCACCGTCAATTGGAAGTTTCAGAG
TCCACCACTGTCTTCACGGGCCAGTGCTTCATAGACAGGAATG
GGAAGGAGGTCTGAAGACCATGTGGCTGCTGCCGTCAAGTGT
TAATGACATTGGTGTGACTGGAAAGCTACCAAGGGTCGGCATC
AACATCTTCACTCGCCTGCGCACACAGAAGGGAGGAGGCTCCG
GAGGCTCCGCCAGAAAGTGCTCGCTGACTGGAAATGGACCAA
CGATCTGGGCTCCAACATGACCATGGGGCTGTGAACAGCAGA
GGTGAATTACAGGCACCTACATCACAGCCGTACAGCCACAT
CAAATGAGATCAAAGAGTCACCACTGCATGGACACAAAACAC
CATCAACAAGTCCGGGGATCCACCACTGTCTCACGGGCCAG
TGCTTCATAGACAGGAATGGGAAGGAGGTCTGAAGACCATGT
GGCTGCTGCCGTCAAGTGTATGACATTGGTGTGACTGGAA
AGCTACCAGGGTCGGCATCAACATCTTCACTCGCCTGCCACA
CAGAAGGAGGGAGGCTCCGGAGGCTCCGCCAGAAAGTGCTCGC
TGACTGGAAATGGACCAACGATCTGGGCTCCAACATGACCAT
CGGGGCTGTGAACAGCAGAGGTGAATTACAGGCACCTACATC
ACAGCCGTAAACAGCCACATCAAATGAGATCAAAGAGTCACCC
TGCATGGGACACAAAACACCATCAACAAGAGGACCCAGCCAC
CTTGCTTCACCGTCAATTGGAAGTTTCAGAGTGA

8/18

Fig. 8

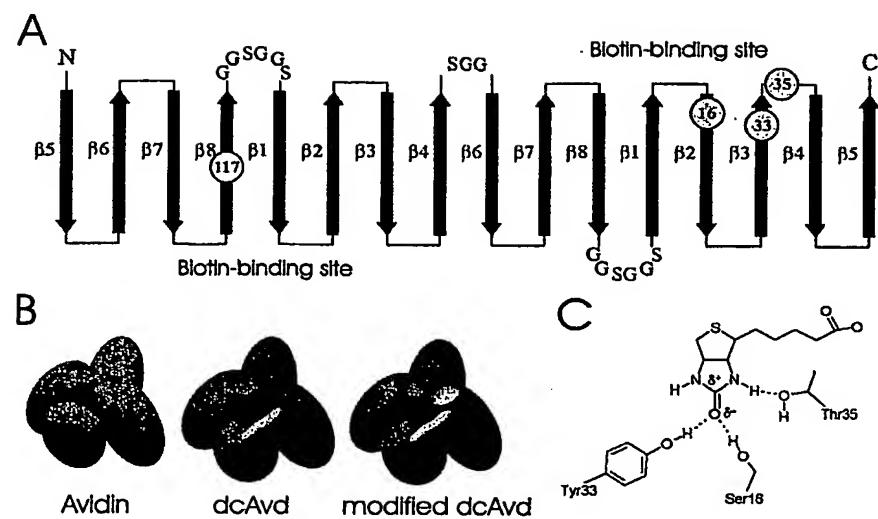


Fig. 9

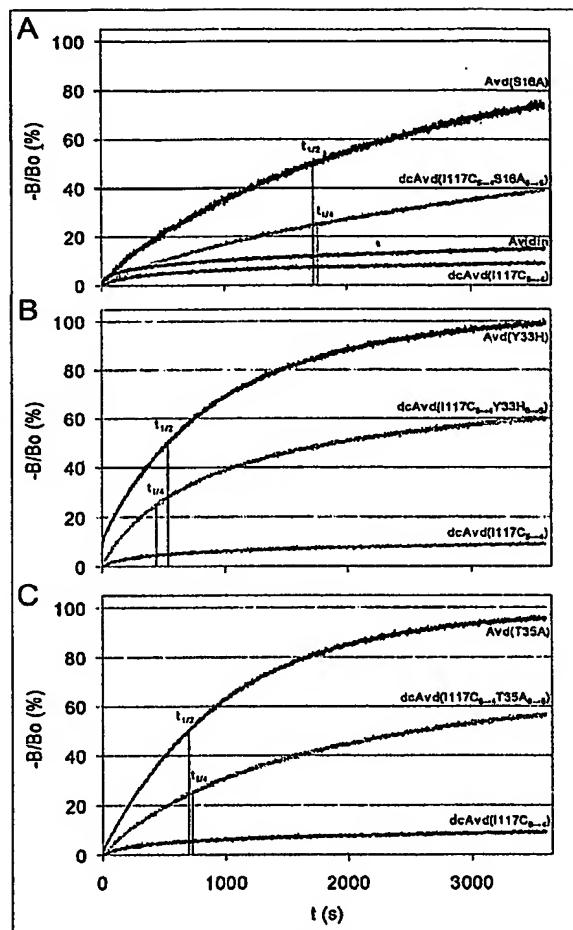


FIG. 10

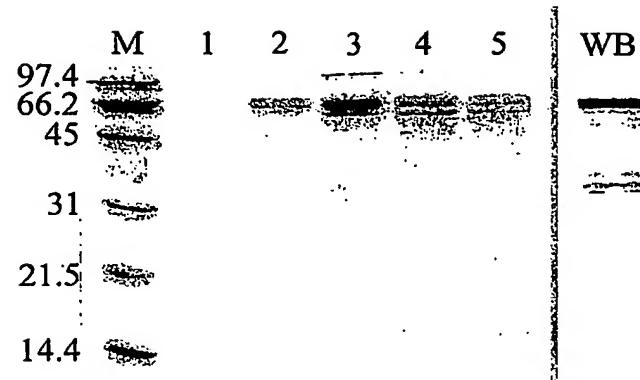


FIG. 11

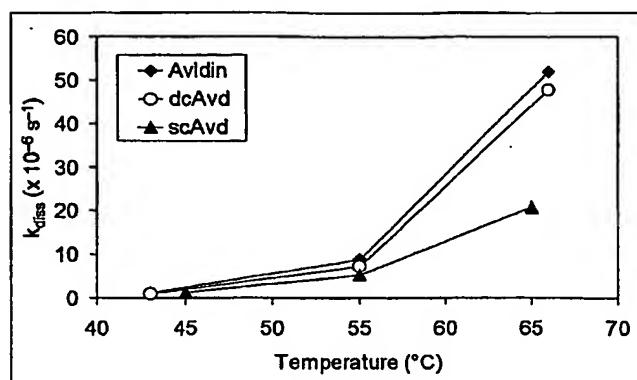


FIG. 12

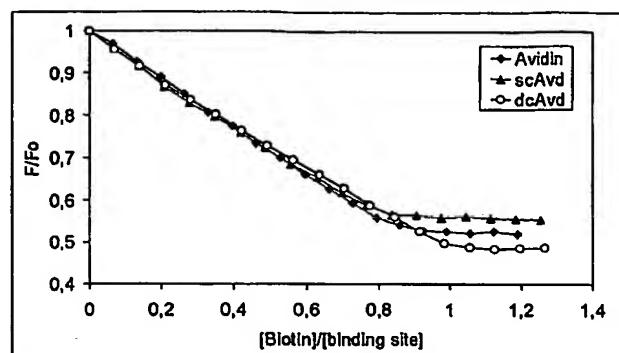


FIG. 13

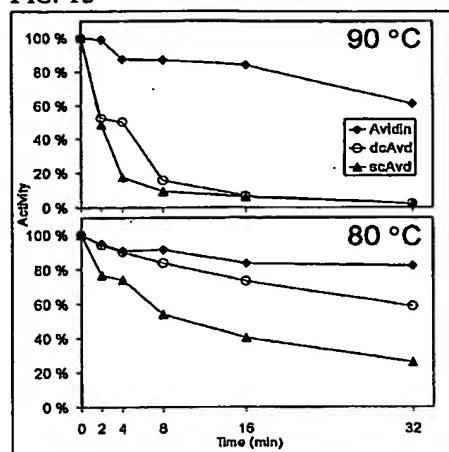
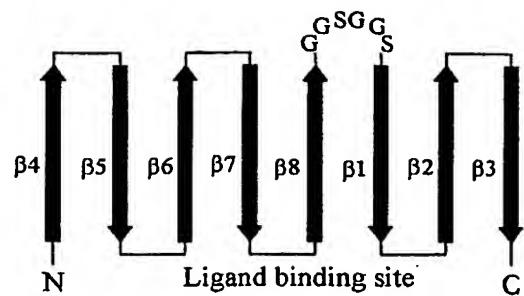


Fig. 14



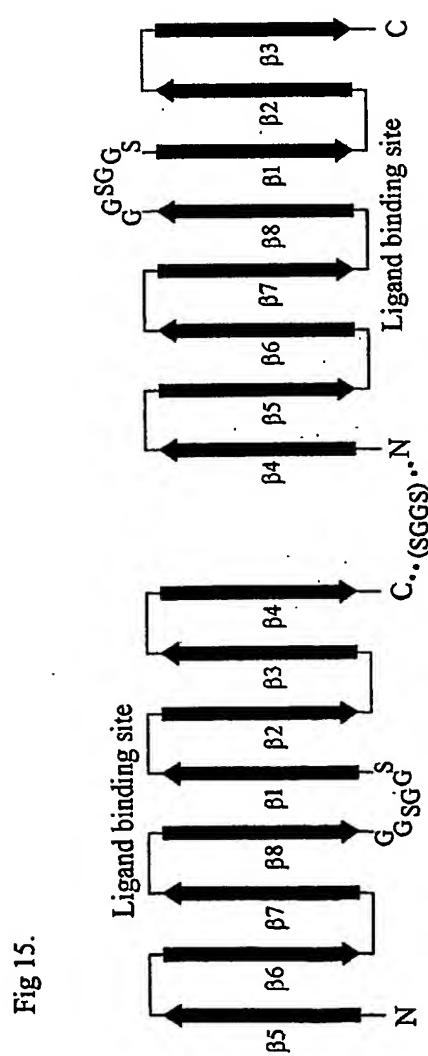
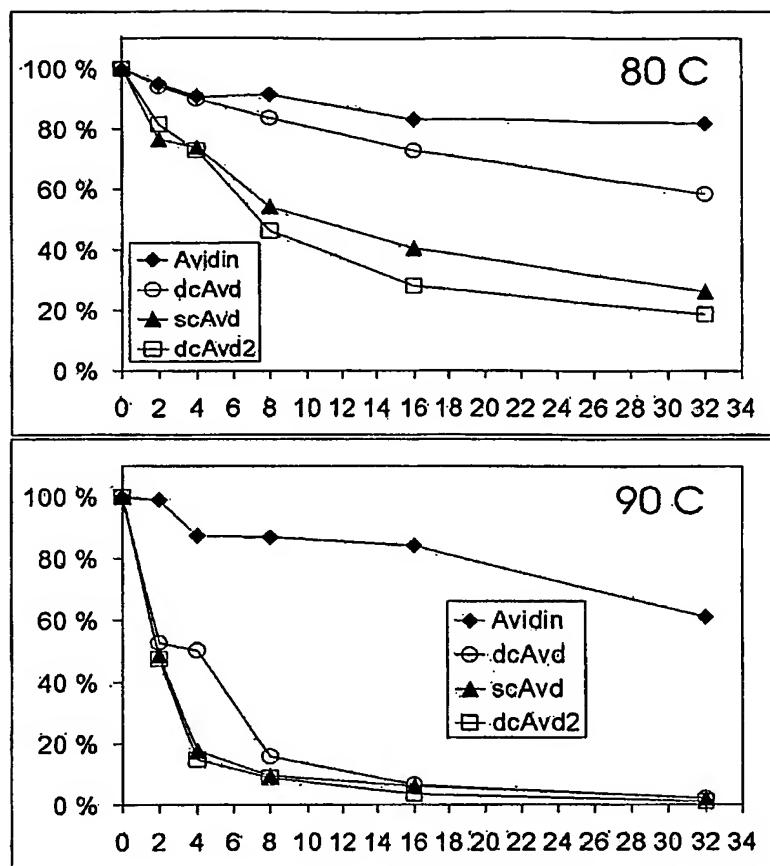


Fig 15.

Fig. 16



17/18

Fig. 17

1 MNKPSKFALP LAFAAVTASG VASAGTQPTF GFTVNWKFSE
STTVFTGQCF IDRNGKEVLK
61 TMWLLRSSVN DIGDDWKATR VGINIFTRLR TQKEGGSGGS
ARKCSLTGKW TNDLGSNMTI
121 GAVNSRGEFT GTYITAVTAT SNEIKESPLH GTQNTINKSG
GSKESPLHGT QNTINKRTQP
181 TFGFTVNWKF SESTTVFTGQ CFIDRNGKEV LKTMWLLRSS
VNDIGDDWKA TRVGINIFTR
241 LRTQKEGGSG GSARKCSLTG KWTNDLGSNM TIGAVNSRGE
FTGTYITAVT

Fig. 18

1 ATGAACAAAC CCTCCAAATT CGCTCTGCCG CTTGCCTTCG
CCGCCGTTAC GGCCTCTGGT
61 GTTGCCTCGG CTGGTACCCA GCCCACCTTT GGCTTCACCG
TCAATTGGAA GTTTTCAGAG
121 TCCACCACTG TCTTCACGGG CCAGTGCTTC ATAGACAGGA
ATGGGAAGGA GGTCTGAAG
181 ACCATGTGGC TGCTGCGGTC AAGTGTAAAT GACATTGGTG
ATGACTGGAA AGCTACCAGG
241 GTCGGCATCA ACATCTTCAC TCGCCTGCCG ACACAGAAGG
AGGGAGGCTC CGGAGGCTCC
301 GCCAGAAAGT GCTCGCTGAC TGGGAAATGG ACCAACGATC
TGGGCTCCAA CATGACCATC
361 GGGGCTGTGA ACAGCAGAGG TGAATTACACA GGCACCTACA
TCACAGCCGT AACAGCCACA
421 TCAAATGAGA TCAAAGAGTC ACCACTGCAT GGGACACAAA
ACACCATCAA CAAGTCCGGC
481 GGATCCAAAG AGTCACCACT GCATGGGACA CAAAACACCA
TCAACAAGAG GACCCAGCCC
541 ACCTTTGGCT TCACCGTCAA TTGGAAGTTT TCAGAGTCCA
CCACTGTCTT CACGGGCCAG
601 TGCTTCATAG ACAGGAATGG GAAGGAGGTC CTGAAGACCA
TGTGGCTGCT GCGGTCAAGT
661 GTTAATGACA TTGGTGATGA CTGGAAAGCT ACCAGGGTCG
GCATCAACAT CTTCACTCGC
721 CTGCGCACAC AGAAGGAGGG AGGCTCCGGA GGCTCCGCCA
GAAAGTGCCTC GCTGACTGGG
781 AAATGGACCA ACGATCTGGG CTCCAACATG ACCATCGGGG
CTGTGAACAG CAGAGGTGAA
841 TTCACAGGCA CCTACATCAC AGCGTAACA TAA

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.